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(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Rudiger Franke; Peter Terwiesch; Markus Meyer;
Christian Klose; Karl-Hermann Ketteler

Additional name(s) of conveying party(ies) attached?

yes no

2. Name and address of receiving party(ies):

Name: Bombardier Transportation GmbH

Street Address: Saatwinkler Damm 43

City: Berlin

State: Zip Code: 13627 Country: Germany

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other: _____

Additional name(s) & address(es) attached?

yes no

Execution Date(s): 17 May 2002; 20 May 2002; 28 May 2002; 3 July 2002; 18 May 2002

4. Application number(s) or patent number(s):

If this document is filed together with a new application, the execution date of the application is

A. Patent Application No(s).

10/048,095

B. Patent No(s).

Additional numbers attached? yes no

5. Name & address of party to whom correspondence concerning document should be mailed:

David P. Owen
HOWREY SIMON ARNOLD & WHITE
CityPoint
One Ropemaker Street
London EC2Y 9HS
United Kingdom
Tel: 011 44 20 7628 3303

6. Total number of applications and patents involved

One7. Total fee (37 C.F.R. § 3.41).....\$ 40.00 Enclosed Authorized to be charged to Deposit Account8. Deposit Account Number: 08-3038

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David P. Owen

Name of Person Signing
Registration No. 43,344

Signature

Total number of pages including cover sheet, attachments and document _____

29 July 2002

Date

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

08/13/2002 ATRAKI 00000090 083038 10048095
01 FC:581 40.00 CH

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to **Bombardier Transportation GmbH, Saatwinkler Damm 43, D-13627 Berlin, Germany** (the Assignee) his/her entire right, title and interest

check applicable box(es):

- for the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world,

in the invention(s) known as **Method for Power Optimization in a Vehicle/Train having an Efficiency that Depends on the Operating Point** for which application(s) for patent in the United States of America has (have) been executed by the undersigned on **24 January 2002** (also known as United States Application No. filed on), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including all claims, if any, that may have arisen for infringement prior to the date of this assignment, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Signature: Rüdiger Franke Date: 17.5.2002
Rüdiger Franke

Signature: _____ Date: _____
Peter Terwiesch

Signature: _____ Date: _____
Markus Meyer

Signature: _____ Date: _____
Christian Klose

Signature: _____ Date: _____
Karl-Hermann Ketteler

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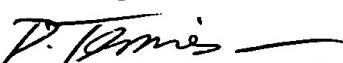
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IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Signature: _____ Date: _____

Rüdiger Franke

Signature:  Date: *2002-05-20*

Peter Terwiesch

Signature: _____ Date: _____

Markus Meyer

Signature: _____ Date: _____

Christian Klose

Signature: _____ Date: _____

Karl-Hermann Ketteler

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IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Signature: _____ Date: _____
Rüdiger Franke

Signature: _____ Date: _____
Peter Terwiesch

Signature: _____ Date: 2002-05-28
Markus Meyer

Signature: _____ Date: _____
Christian Klose

Signature: _____ Date: _____
Karl-Hermann Ketteler

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IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Signature: _____ Date: _____
Rüdiger Franke

Signature: _____ Date: _____
Peter Terwiesch

Signature: _____ Date: _____
Markus Meyer

Signature: _____ Date: **3.7.02**
Christian Klose

Signature: _____ Date: _____
Karl-Hermann Ketteler

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to **Bombardier Transportation GmbH, Saatwinkler Damm 43, D-13627 Berlin, Germany** (the Assignee) his/her entire right, title and interest

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Signature: _____ Date: _____
Rüdiger Franke

Signature: _____ Date: _____
Peter Terwiesch

Signature: _____ Date: _____
Markus Meyer

Signature: _____ Date: _____
Christian Klose

Signature: _____ Date: 18.5.2002
Karl-Hermann Ketteler